

NewLife 1 Additional Notes

January 8, 1992

Congratulations!

We are pleased that you chose a NewLife 1 to give NewLife to your old Mac. Here are a few additional notes to make the installation easier.

- Micron SIMMs are not compatible with NewLife™ products. Do not use Micron SIMMs. To determine if you have Micron SIMMs, you have to look at the chips themselves, not the printed circuit board. Micron marks their chips the following three different ways: MICRON, MT, or MAG.
- The NewLife 1 you received is a newer revision than the one described in the manual. Please use the settings on the following pages when configuring the jumpers on the NewLife board.
- Disregard the reference to the SCSI filter board on page 17 of the manual. The filter board is not required for this board revision.
- On page 9, of the manual, under the heading:
Installing the memory (SIMMs)
The text should read :
Because the SIMM sockets are slanted, you must fill them **starting at the position furthest from the board edge, but only populating the relevant positions as indicated in Table 1, 2a and 2b.**
- On page 18, of the manual, under the heading:
SCSI configuration
The text should read :
The last device in the SCSI chain should be equipped with a **termination resistor**. If the **termination resistor is missing**, SCSI peripheral behaviour may be unpredictable, or the system may not recognize the peripheral.
There should be only **one set of termination resistors** in the SCSI chain.
More than **one set** may cause problems.

- On page 18, of the manual, under the heading:

Troubleshooting

The text should read :

2. Scan the symptoms described **on pages 20 and 21** (on the following pages) to identify the problem.
3. Follow the steps **on pages 20 and 21** to remedy the problem and then test your system. *If the remedy requires you to open the Mac case, observe the safety precautions described in Part 2 of this manual.*
4. If you are still experiencing problems, or if the instructions **on pages 20 and 21** tell you to do so, contact your dealer or the NewLife Computer Corporations technical support group for assistance.

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Installing the memory (SIMMs)

You must always install SIMMs in pairs, one in the left row of sockets and one in the right row of sockets. Each pair must be the same type — 1MB or 256KB. The tables on the following pages show all of the valid SIMM positions.

Because the SIMM sockets are slanted, you must fill them starting at the position furthest from the board edge, but only populating the relevant positions as indicated in Tables 1, 2a and 2b.



128K

SIMMs	W1-W5
<p>1.0 MB</p>	
<p>2.0 MB</p>	
<p>2.0 MB</p>	
<p>4.0 MB</p>	

* Arrow indicates those SIMMs installed first

Table 1: Configuring NewLife for a 128K Mac

Upgrading a 128K Macintosh



A 128K Macintosh can be upgraded to 1MB, 2MB or 4MB of RAM. Table 1 shows you where to install the SIMMs and how to set the jumpers.

The system only recognizes the memory installed on the NewLife board.

You can configure a 2MB system with either two 1MB SIMMs or with eight 256KB SIMMs.

Once you have installed the SIMMs and set the jumpers as shown (*in Table 1*), skip to step three and continue the installation procedure.

Upgrading a 512K Macintosh



On a 512K Macintosh, you can install from 0.5MB to 4MB of RAM. Table 2 shows you where to install the SIMMs and how to set the jumpers.

The system ignores the 512KB on the Macintosh motherboard in one case – when you install 4.0MB on the NewLife board. In all other cases – when you install 3.5MB or less – the total memory available is the amount you install on the NewLife board *plus* the 512KB on the Macintosh motherboard. Regardless of the amount of memory you install, *set the configuration jumpers to indicate only the amount of memory on the NewLife board.*

You can configure a 2MB system with either two 1MB SIMMS or with eight 256KB SIMMs.

NOTE: No OMB
CONFIG.
(You get a
Sad Mac).



SIMMs	W1-W5
0.5 MB 	
1.0 MB 	
1.5 MB 	
2.0 MB 	
2.0 MB 	

*Arrow indicates those
SIMMs installed first

Table 2a: Configuring NewLife for a 512K Mac



SIMMs	W1-W5
2.5 MB 	
3.0 MB 	
3.5 MB 	
4.0 MB <p>* Arrow indicates those SIMMs installed first</p>	

Table 2b: Configuring NewLife for a 512K Mac

Step three Attaching to the Macintosh motherboard

You install the NewLife board on top of the Macintosh motherboard — as shown in Figure 7. The 64-pin connector on the bottom of the NewLife board attaches to the Macintosh 68000 CPU. This is done in one of two ways:

1. with a "Killy clip"
2. with soldered pin mounts (required for a ceramic 68000 CPU)